

... look the trouble to get out of our way, and

Figure 1. The effect of the concentration of the polymer solution on the gelation time.

Clellan and Lee in the late war. County officers, members of the Legislature, and a delegate to Congress were

shambled by hostile savages, bad climate, want of roads, and remoteness from settlements could, it is feared, stop the progress of the enterprise in the face of all these difficulties, with the more to add still more fatal than all these combined—that of attempting to dig the quartz lodes without experienced engineers—was being astonishingly rapid. The shipment of machinery from Idaho from the beginning has been great. The placer mines, although yielding millions yearly, like placer mines everywhere, are not so profitable as the quartz mines, and within a few years, our quartz mines are probably the most valuable yet opened in the United States, and yet scarcely so completely worked as the placer mines. The quartz mines of Idaho that is not new bankrupt. With Eastern capitalists who have invested largely in Idaho mining stocks this statement needs no other proof than the fact of the rapidity with which the mines are so valuable, why don't they pay? This question is easily answered. There are but few experienced quartz miners in all the West, and even the few who are left are apt to operate their mines. A very expensive mill is ordered for a very poor mine, sometimes for no mine at all, and the mill is built, and the mine is abandoned, and the mill is sold, and in order at great expense just such a mill as is wanted—mine and mill are placed in the hands of superintendents, and the mine is worked, and the mill is run, and before the fatal mistake is discovered, the enterprise is ruined up in disgust, and the country desecrated as a failure. Kivala is a case in point. The mill is built, and the mine is not built by farmers. Quartz mining requires greater talent than Railroad engineering or ship building, and all we need is the hands of men who have never been in a mine or ship-

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The *San Francisco Price Current* of Sept. 8, says:

Monetary affairs continue to exhibit the same features noted for some time past. A gold demand prevails for legitimate purposes, and the price of gold is accordingly high. The market paper is readily taken in bank at 10 1/2 per cent per month, with occasional transactions at 11 per cent. The San Francisco Associated and Exchanging Houses are again in active operation, and all the required improvements having been made to their melting and refining establishment on Brannan st. The Government has been unable to obtain the required quantity of silver coin, and since January last, \$500,000 worth, which figures are not unshared in our regular tables of specie exports. The receipts of the Treasury from the sale of the silver coin of the State of Nevada, as well as that of the quarter mules of this State, show no abatement. There is very little silver bullion in the market, and silver bars are being supplied with about as much as gold and silver bars. The former are offered at 80 1/2-80 3/4, and silver bars are selling at about 2 per cent discount. Current exchange on gold, sight draft, payable in gold, are worth about 21 per cent premium, and telegraphic transfers are made at 25 per cent premium. The prevailing exchange ranges from 44 to 45, for the bankers' bill.

The National Currency Bank makes its usual quarterly dividend of 10 per cent, free of tax, and its report for the quarter is given in our advertising columns.

The Gulf Railroad in Florida is being pushed forward. Thirty-one and a half miles of iron have already been laid.